Panasonic

Operating Instruction

Colour Television

TX–25S80Z

Please read the operating instructions completely before operating this set.

TQB4G0528

Dear Panasonic Customer

Welcome to the Panasonic family of Customers.
We hope that you will have many years of enjoyment from your new colour television set. To obtain maximum benefit from your set, please read these Instructions before making any adjustments and retain them for future reference. Retain your purchase receipt also, and note down the serial number of your set in the space provided on the rear cover of these instructions.

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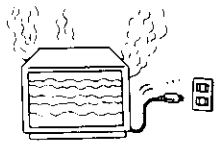
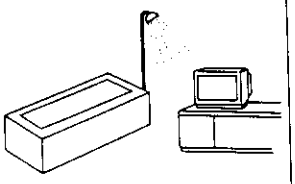
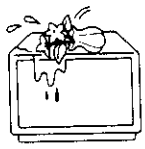
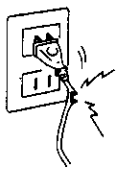
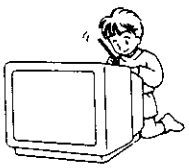
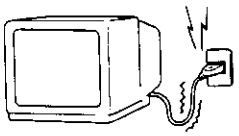
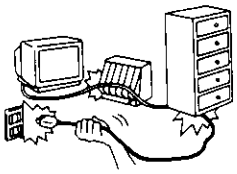
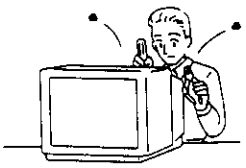
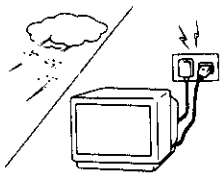
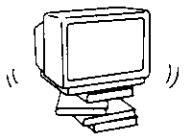
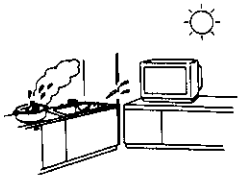
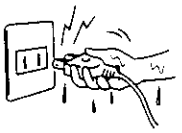
Warnings and Cautions

⚠ Warnings

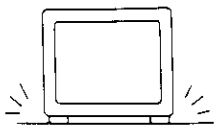
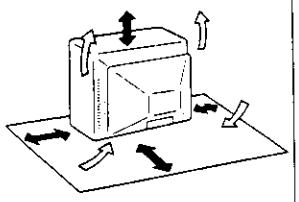
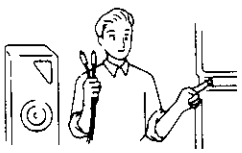
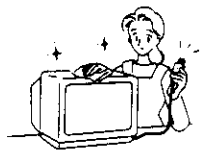
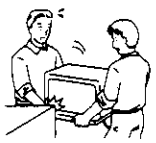
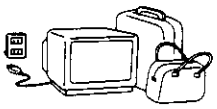
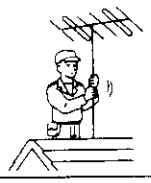
	Unplug the power cord in the event of any malfunction (screen goes blank, no sound, odd sounds, smoke or unusual odors coming from the unit). Unplug the power cord if foreign matter or water falls into the unit, or if the unit is dropped or the cabinet is damaged.		DO NOT use this unit near water. (near a bath tub, etc.)
	DO NOT place any of the following on the unit: Flower vases, flower pots, cups, small metal objects, or cosmetics containers, chemicals or water.		DO NOT use if the power cord or power plug is damaged, or if the plug does not fit tightly into the socket.
	DO NOT insert foreign objects (metal or easily flammable objects).		DO NOT use at a voltage other than indicated.
	TAKE CARE NOT to damage the power cord.		DO NOT remove the rear cover as live parts and High Voltage components are accessible when the rear cover is removed.
	DO NOT touch the aerial cable and this unit when there is lightning.		DO NOT place in an unstable location.

⚠ Cautions

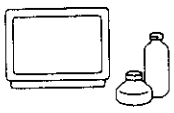
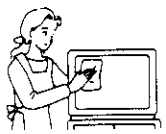
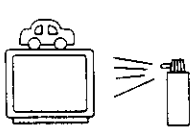
	DO NOT place in humid or dusty locations, or areas exposed to smoke or steam. DO NOT place under direct sunlight and other sources of direct heat.		DO NOT touch the power plug if your hands are wet.

Warnings and Cautions

⚠ Cautions

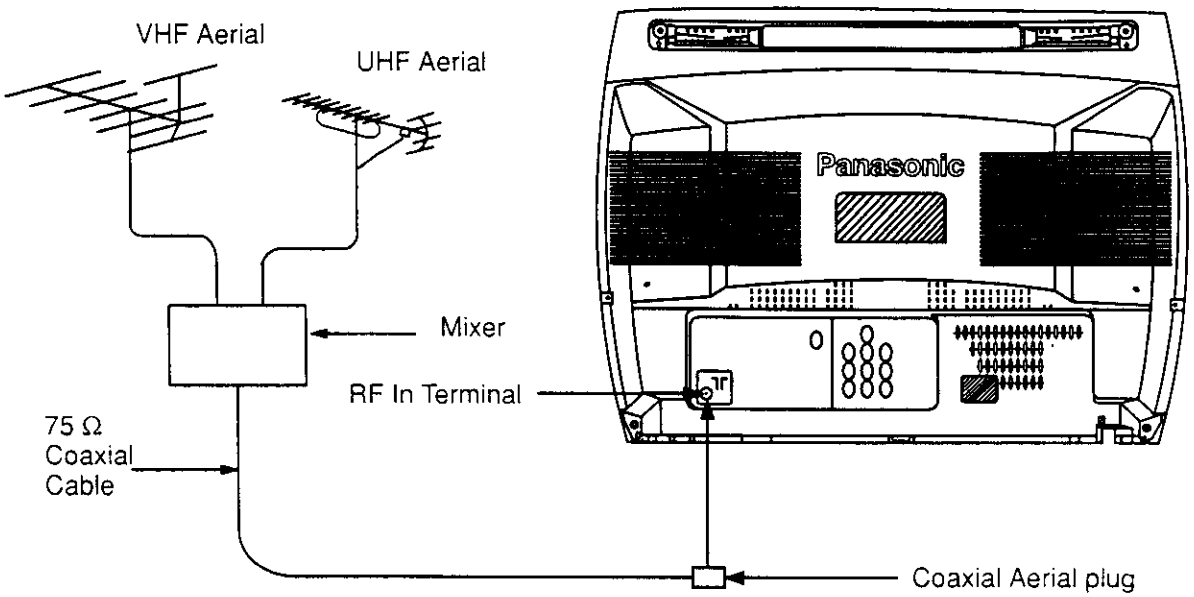
	DO NOT stand, or place heavy objects on the unit. Particular care should be taken by families with small children.		Place in a safe location.
	Adequate ventilation is essential to prevent failure of electrical components, we recommend that a gap of at least 10cm (⟷) is left all around this unit even when it is placed inside a cabinet or between shelves.		Turn the power "Off" before connecting other electrical equipment.
	Before cleaning, unplug the power plug from the socket.		DO NOT jolt the unit.
	Unplug the power plug from the socket if you are not going to use the unit for an extended period.		Ask your sales outlet to install the aerial.

Cleaning

	The unit contains many plastic parts. For this reason DO NOT use benzine, thinner or other chemicals to clean the unit.		Dust will accumulate on the picture screen. Please wipe with a soft cloth from time to time. If you use a chemically treated cloth, please be careful to follow the instructions that come with the cloth.
	DO NOT bring into contact with insecticide or other volatile substances. DO NOT allow the unit to come into contact for extended periods with rubber or vinyl products.		Remove dirt and soiling by wiping with a light cloth. Even if the unit is heavily soiled, do not apply cleaner directly to the unit. Soak a cloth in a solution of neutral cleanser thinned with water. Then wring out the cloth, wipe the unit clean, and finish by wiping with a dry cloth.

Before Operating This Set

Connect the Aerial Cable to the RF In Terminal



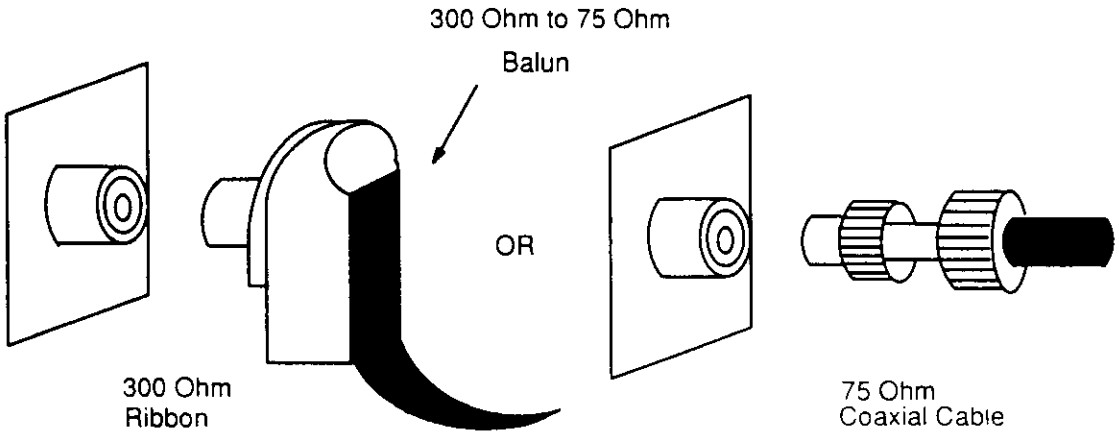
To obtain the best quality picture and sound, an external antenna, the correct cables (75 Ohm coaxial) and the correct terminating plug will be required.

If a communal antenna system is used, you may require the correct connection cable and plugs between the wall antenna socket and your television receiver.

Your local Television Service Dealer may be able to assist you in obtaining the correct antenna system for your particular area and accessories required.

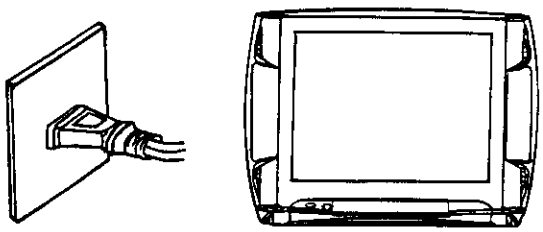
Any matters about antenna installation, upgrading of existing systems or accessories required, and the cost incurred, are the responsibility of the customer.

Note :
If your existing antenna system uses 300 Ohm to 75 Ohm Balun, see Below.



Before Operating This Set

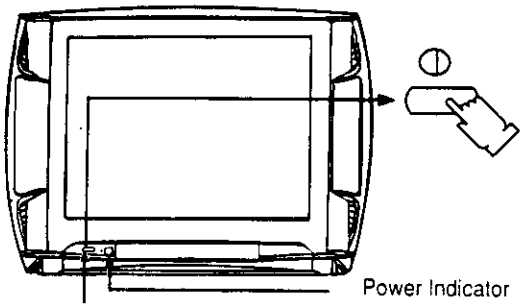
Connect the Plug to the Wall Outlet



NOTE :

Mains plug type vary between countries.
The mains plug shown at left may therefore not be the type fitted to your set.

How to turn on the power



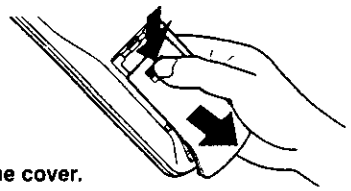
Push the Main Power switch on the Television to turn the set on.
The Power Indicator will light. (Red)

NOTE :

1) When in the stand – by condition (Refer to page 19), it is possible to turn the TV set on by pushing the " Power (Stand – by) " button or the Channel Up and Down button on the TV set or Remote Control.

Battery installation

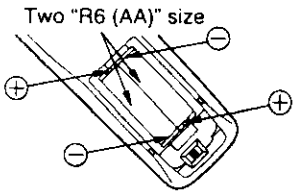
1



Open the cover.

Apply slight downward preassure while pulling towards the bottom.

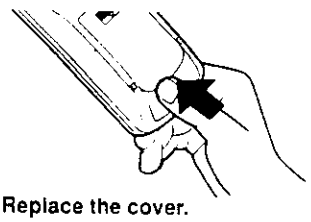
2



Batteries : Use two " R6 (AA) " size batteries.

Insert the batteries ensuring correct polarity. This is identifiable by the "+" and " – " symbols on both the batteries and inside the battery compartment.

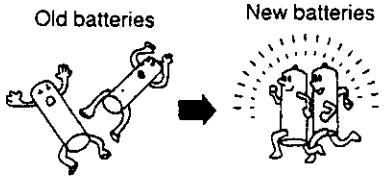
3



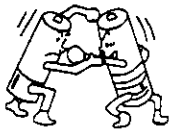
Replace the cover.

Battery Precautions

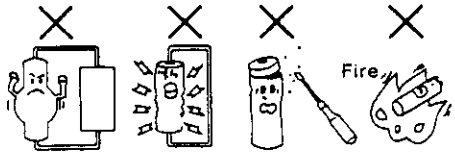
Incorrect use of batteries can cause electrolyte leakage which will corrode the remote control transmitter or cause the batteries to burst.
The following precautions must be carefully observed.



Replace both batteries at the same time. Dispose of them immediately.

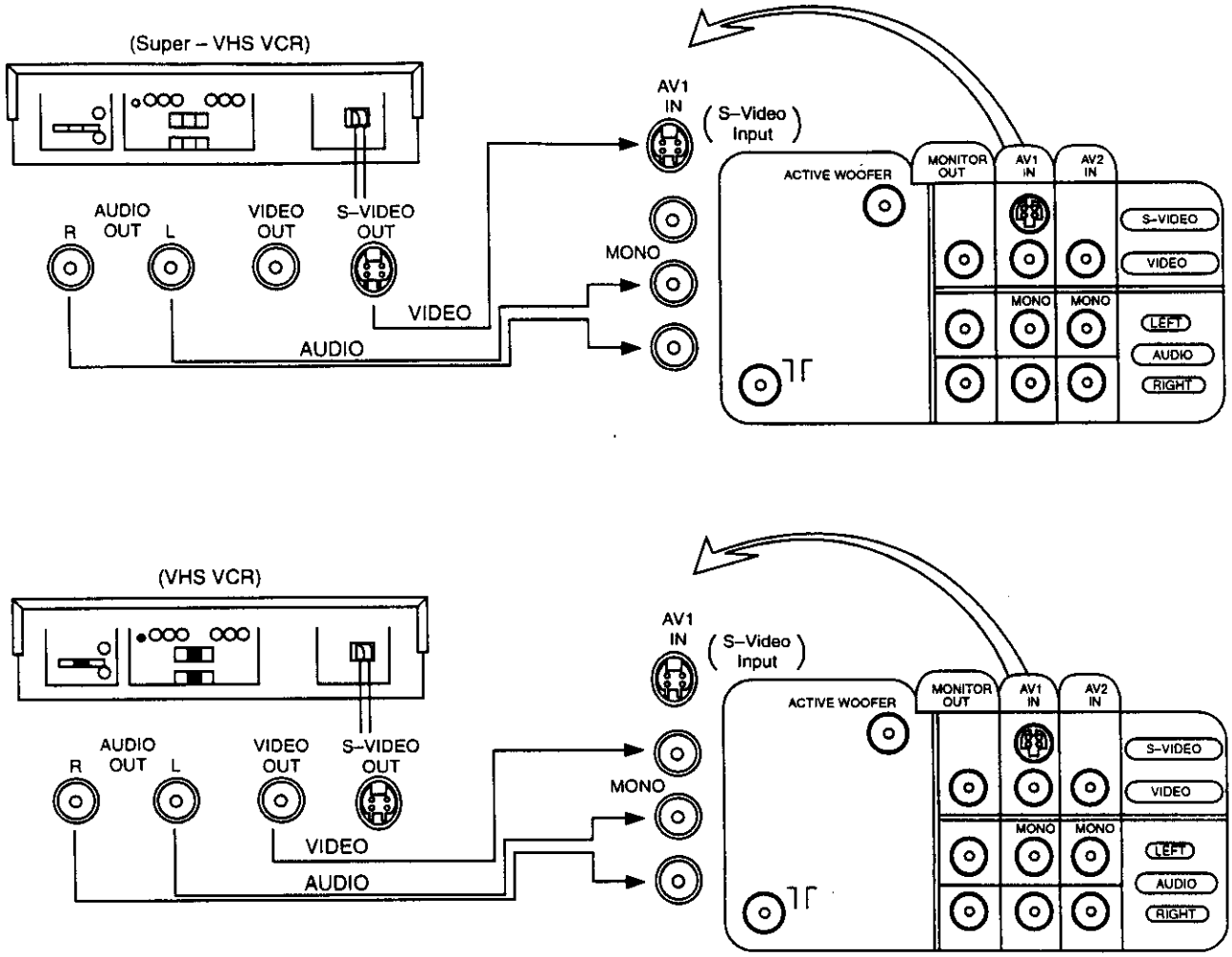


(alkaline with carbon, zinc,etc.)



Connections

How to connect the " AV1 or AV2 " Input Terminals.



Note :

1. When AV1 or AV2 is selected, and that AV mode has no input picture signal, the Background Colour of the TV screen will change. (This only occurs if the Recall function is set to the OFF condition; refer to page 21 for details).

2. When the S–Video cable is connected to the S–Video terminal, the Phono Video input will be automatically switched off for that AV mode.

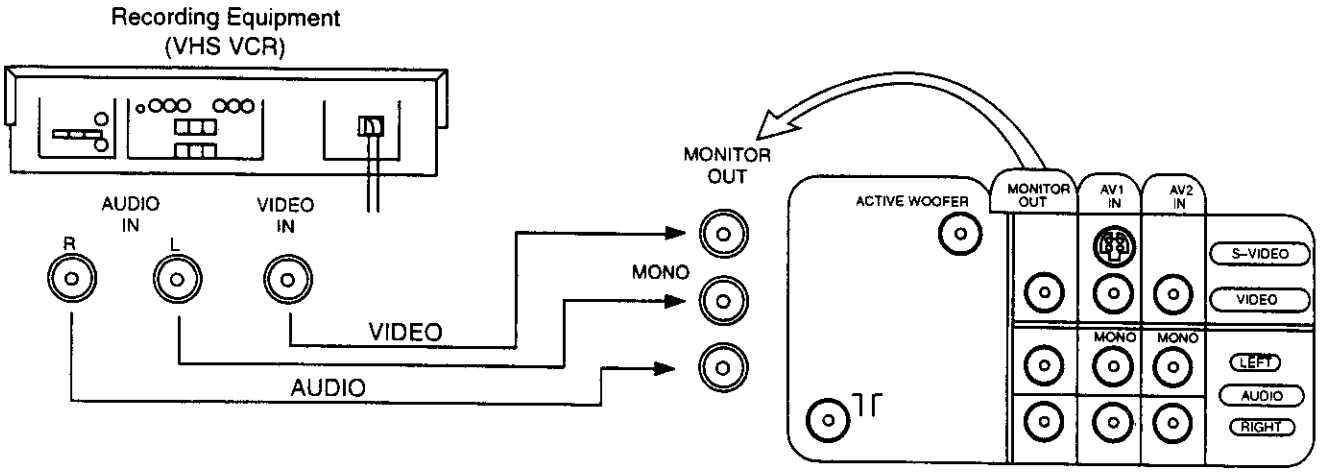
3. When a Monaural VCR is used, connect the Monaural Audio cable to the Audio "L" (Left) terminal.

4. Similar connections are available at the AV1 and AV2 input terminals.
   Select the desired AV input position by pressing the TV/AV button (Refer to page 20).

Connections

How to connect the AV MONITOR OUTPUT terminals to the other equipment.

The monitor out terminal output the same signals as are on the TV screen at that time.
e. g. TV programmes or signals from AV1 or AV2 input.



Note:

(1) Never connect the same video recorder with both the VIDEO IN and MONITOR OUT terminals on this TV set, as this could cause incorrect operation.

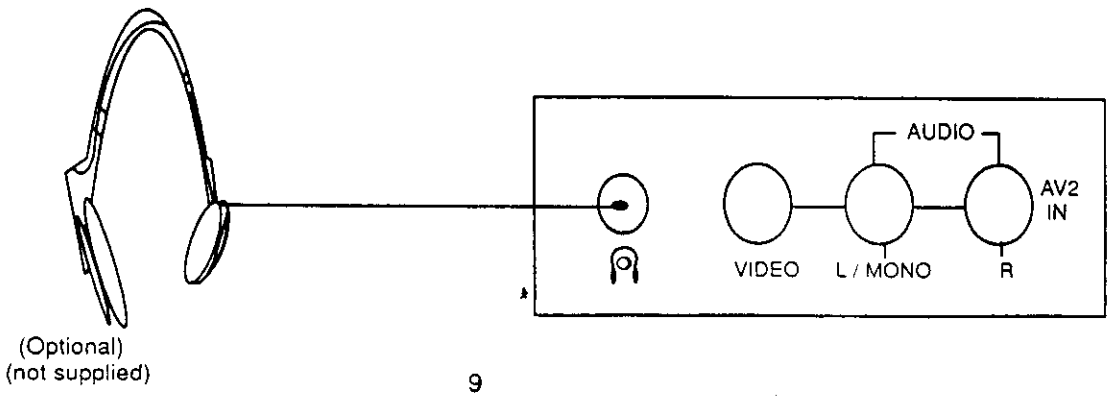
(2) Teletext display on the screen will not be output at the MONITOR OUT terminal.

Connections

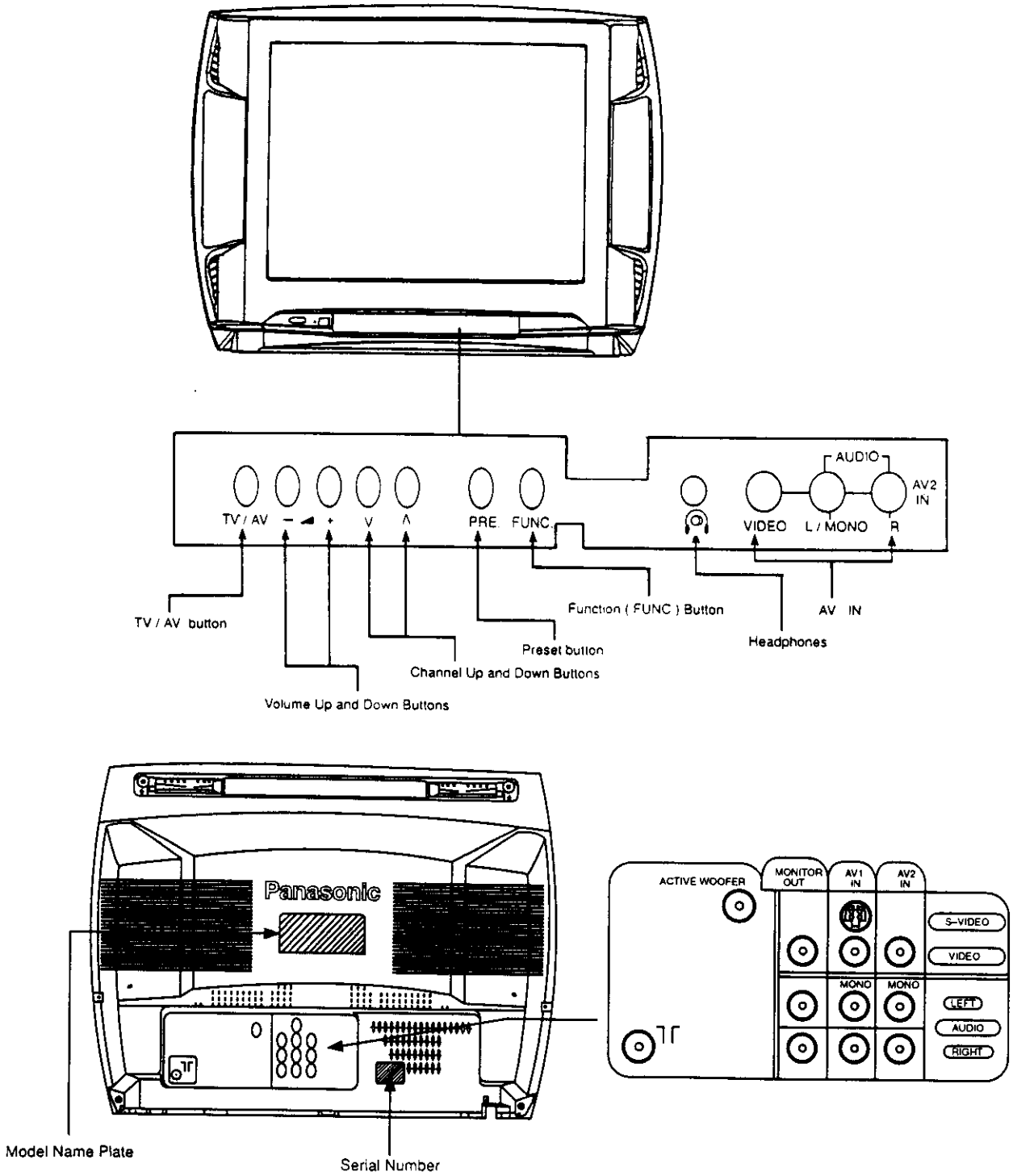
Connecting Headphones

Connect headphones as follows.

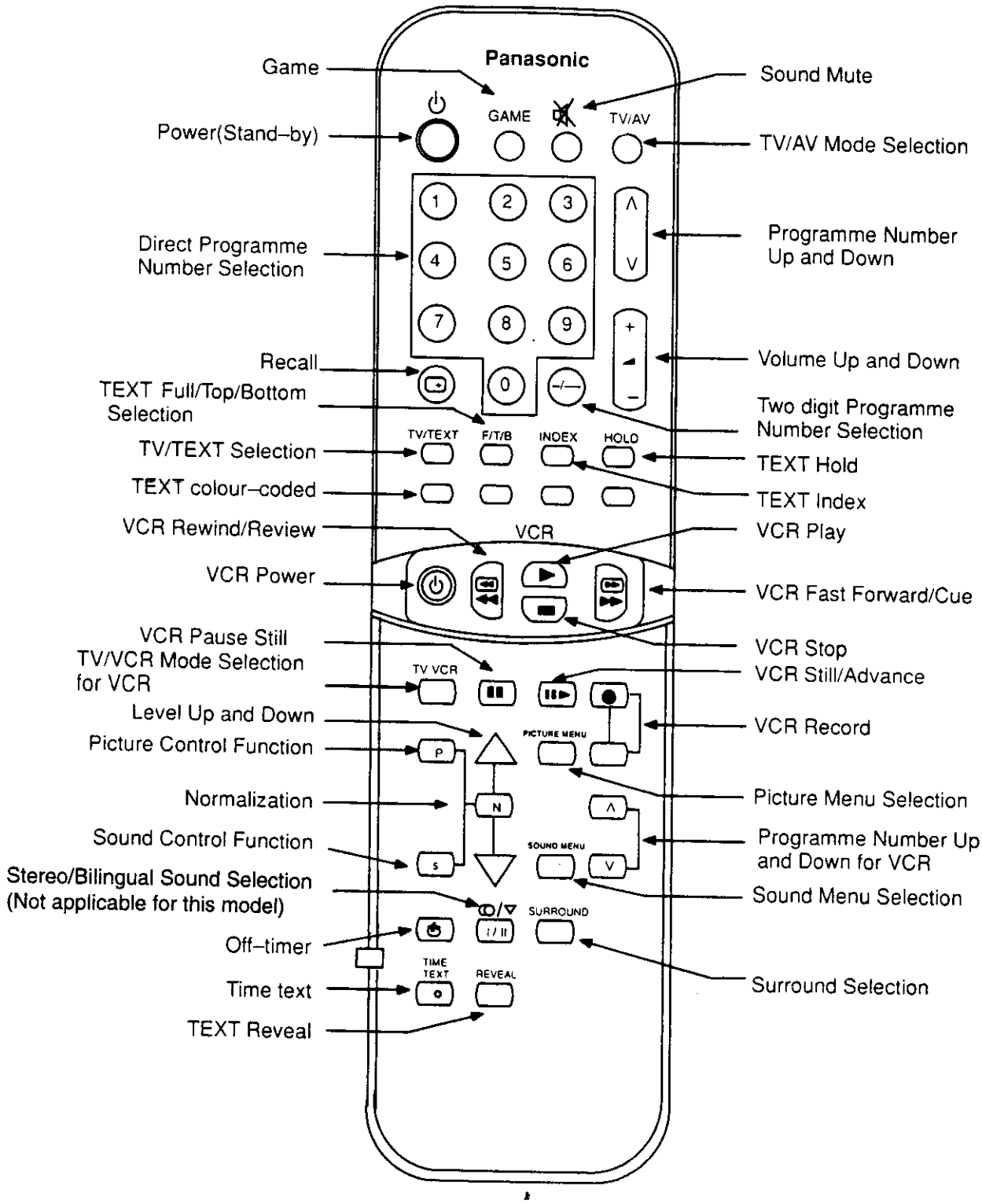
When a headphones plug is inserted into the Headphones socket all speakers will be automatically disconnected; only the Headphones will function.



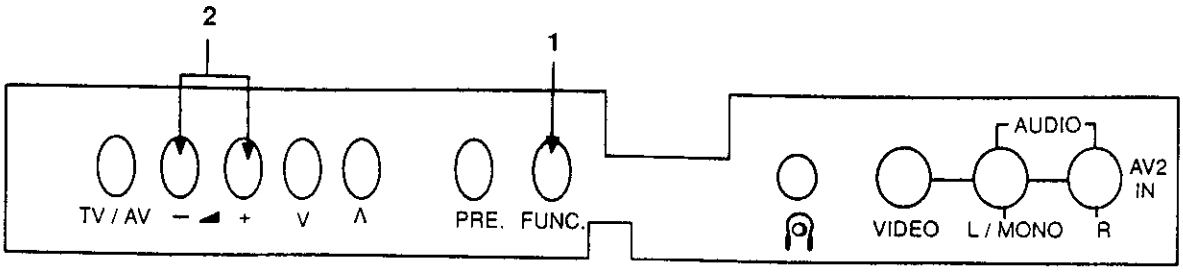
Location of Control (TV)



Remote Control Transmitter



How to Select The Language Function

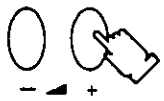


Language display on-screen can be selected by following method.

1.

By pushing the " FUNC. (Function) button,
you can select the LANGUAGE Selection Mode.

ENGLISH
LANGUAGE / 语言

2. 

Push the Volume Up " + " button . The on screen language display will change.

中文
LANGUAGE / 语言

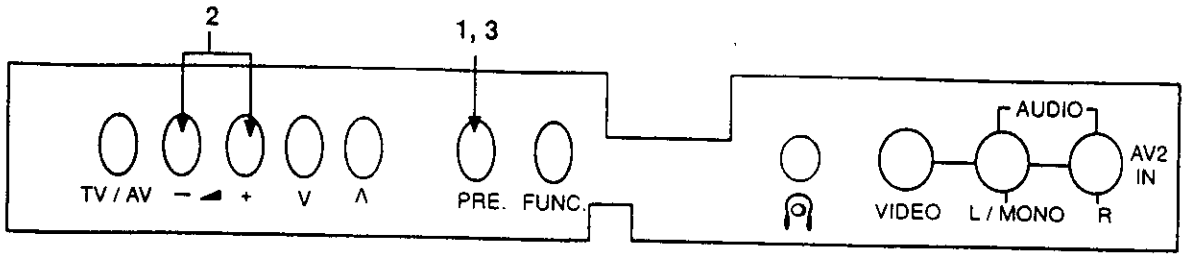
3.

This return the set to the normal viewing condition after 10 seconds.

3

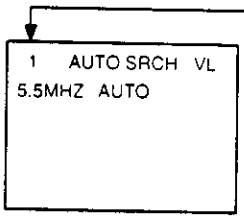
Tuning Procedure

Automatic Search



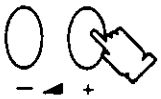
1.

Press the "PRE." (PRESET) button, setting the Automatic search mode.

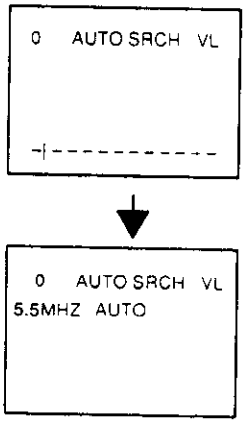


Channel Number
Automatic search condition.

2.



Press the Volume Up "+" button.

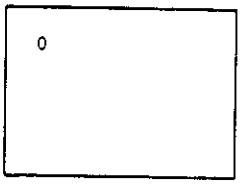


Search start.

The best tuning position is automatically memorized.

3.

Press the "PRE." (PRESET) button 3 times.



This returns the set to the normal viewing condition.

Helpful Hints

1. If a clear picture with correct colours cannot be obtained when a broadcast or AV signal is received, refer to the "Colour System Selection" operation on page 23.

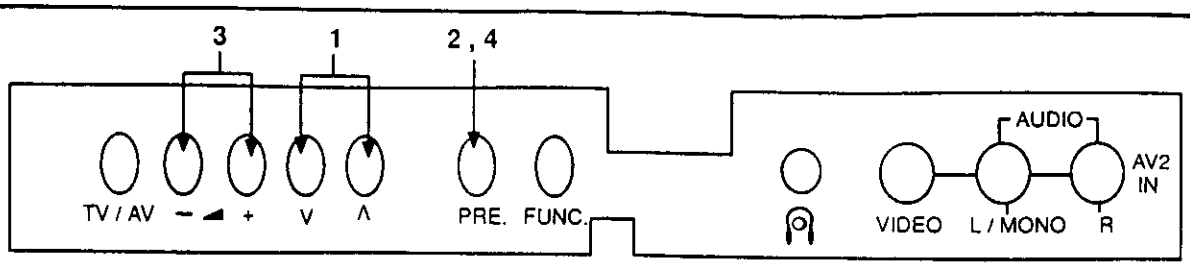
2. When the sound is not clear or no sound is produced on a programme number, refer to the "Sound System Selection" operation on page 24.

3. Repeated pressing of the "PRE." (PRESET) button changes the Preset Menu as follows:

AUTO SEARCH → MANUAL SEARCH → FINE

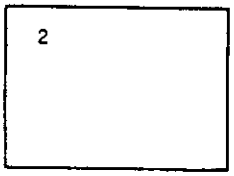
Tuning Procedure

Manual Search



1.

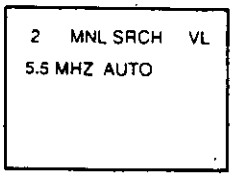
Press either the Channel Up or Down button.



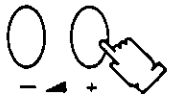
Select the desired Channel Number.

2.

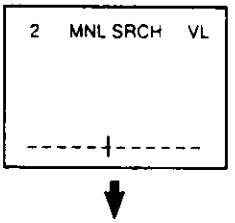
Press the " PRE " (PRESET) Button twice, setting the manual Search Mode.



Manual Search Condition.

3. 

Press the Volume Up " + " or Down " – " button .
Volume " + " : Next higher Channel
Volume " – " : Next lower Channel

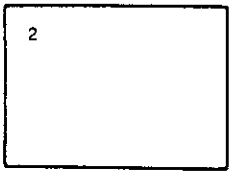


Search start.

The best tuning position is automatically memorized.

4.

Press the "PRE." (PRESET) button 2 times.



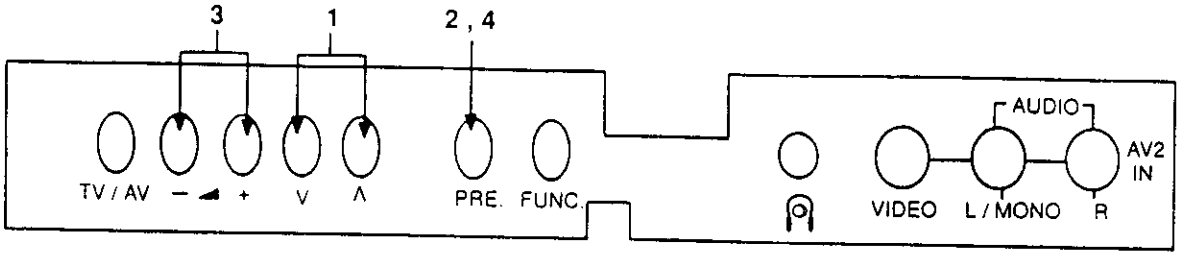
This returns the set to the normal viewing condition.

Helpful Hints

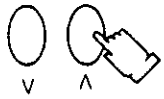
1. If a clear picture cannot be obtained even when a Broadcast is received, refer to the " Colour System Selection " operation on page 23
2. When the sound is not clear or no sound is produced on a Channel Number,refer to the "Sound System Selection" operation on page 24.
3. In case of NTSC M System, select the Sound System to 4.5 MHz. (Refer to page 24)

Tuning Procedure

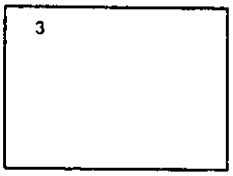
Fine Tuning



Under normal reception condition, this function is not used. However, in areas of poor reception or constant interference, a slight adjustment on the fine tuning can improve the picture and sound quality.

1. 

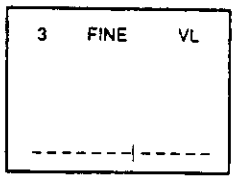
Select the channel which you want to try to improve, using the Channel Up or Down buttons.



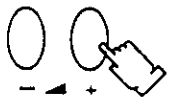
Select the desired Channel Number.

2.

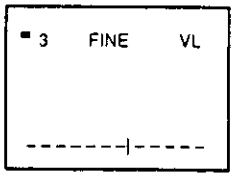
Press the " PRE." (PRESET) button 3 times, setting the Fine Tuning Mode.



Fine Tuning Condition.

3. 

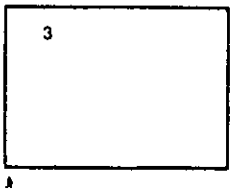
Press the Volume Up "+" or Down " – " button until the picture is received.



The AFC (Automatic Frequency Control) function is deactivated. The " ▪ " symbol appears to the left of the Channel Number.

4.

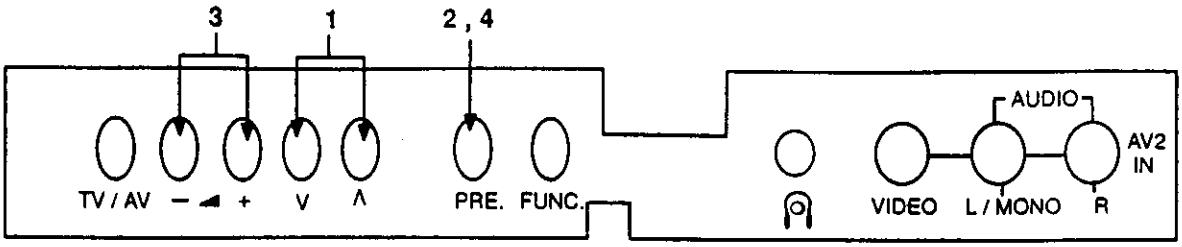
Press the "PRE." (PRESET) button.



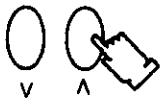
This returns the set to the normal viewing condition.

Tuning Procedure

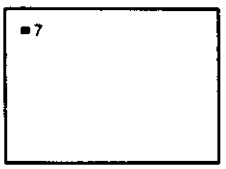
How to Cancel the Fine Tuning



Cancelling previously adjusted (manually) fine tuning, means re – activating the AFC (Automatic Frequency Control) Function, also known as AFT (Automatic Fine Tuning). Re – activating the Automatic Fine Tuning means albaming the set to automatically tune to the optimum tuning position, for that Channel Number.

1. 

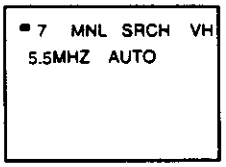
Select the " AFC OFF " Channel Number which you want to return to Automatic Frequency Control (Cancel the manual fine tuning).



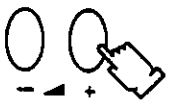
" AFC OFF " Channel Numbers are indicated to you by the "▪" symbol to the left of the Channel Number.

2.

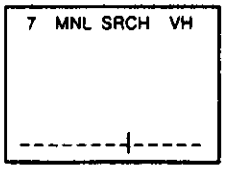
Press the " PRE." (PRESET) button twice, setting the Manual Search Mode.



Manual Search Condition.

3. 

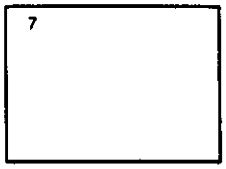
Press the Volume Up "+" or Down "−" button briefly.



The best tuning position is automatically memorized.

4.

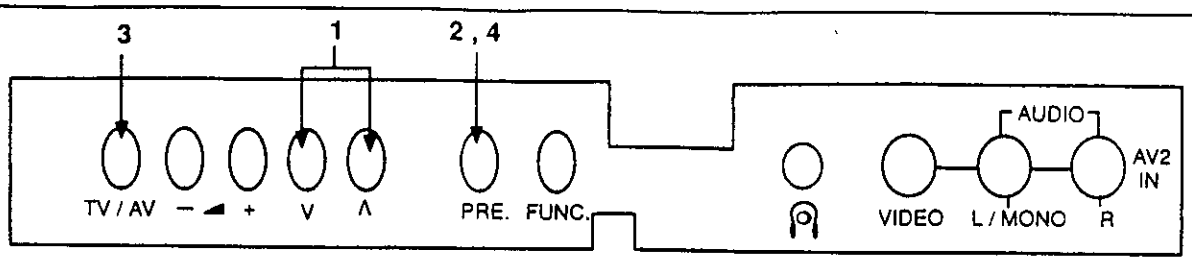
Press the "PRE." (PRESET) button twice.



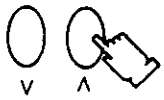
This returns the set to the normal viewing condition.

Tuning Procedure

Programme Number Skip



It is possible to Skip Programme Numbers on which no TV stations are tuned appearing on the screen.
The function is only effective when selecting Programme Numbers by pushing the Programme Number Up or Down Buttons either on the TV set or the remote Control.

1. 

Select a Programme Number you want to skip, by pushing the Programme Number Up or Down Buttons.

15

2.

Press the " PRE." (PRESET) button, setting the Automatic Search Mode.

15 AUTO SRCH VH 5.5MHZ AUTO

Automatic Search Condition.

3.

Press the " TV / AV selection " Button.

15 AUTO SRCH VH 5.5MHZ AUTO SKIP

The Skip function is now set.

4.

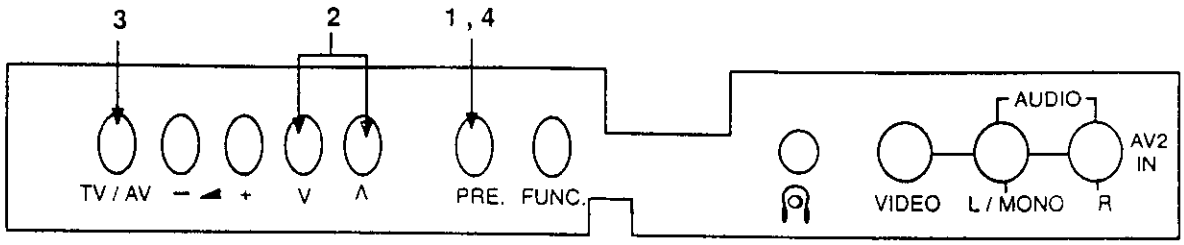
Press the "PRE." (PRESET) button 3 times.

15

This returns the set to the normal viewing condition.

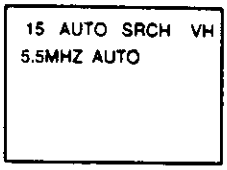
Tuning Procedure

How to Cancel the Skip Function



1.

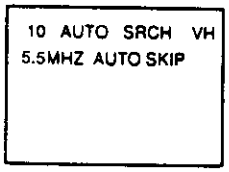
Press the " PRE." (PRESET) button, setting the Automatic Search Mode.



Automatic Search condition.

2.

Select the skipped Programme Number, by pressing the Programme Number Up "Λ " or Down " V " buttons.

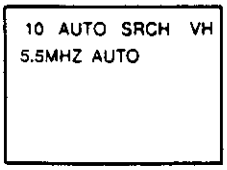


The "SKIP" indicator will appear on the screen.

3.

Press the "TV/AV" selection button.

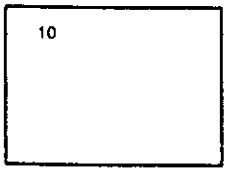
Repeat step 2 and 3, if you wish to cancel the Skip function on any other programme Number.



The skip function is now cancelled.

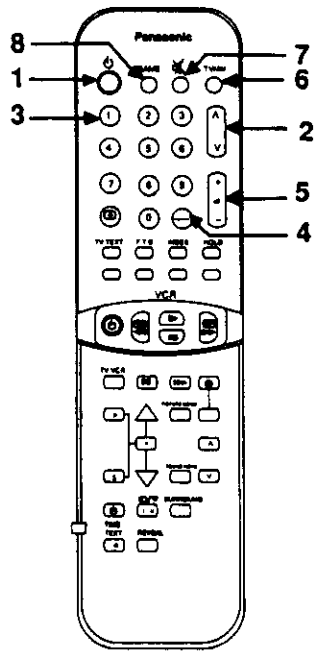
4.

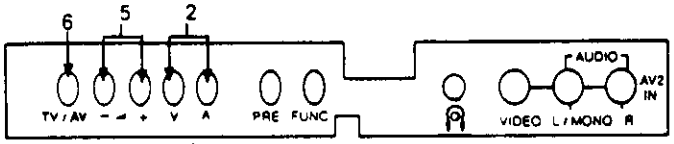
Press the "PRE." (PRESET) button three times.



This returns the set to the normal viewing condition.

General Operation





1.

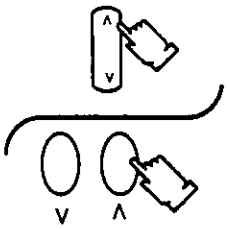
To Switch Power on/off

The TV set must be switched on at the wall outlet and at the Main power switch.

Press this button to turn the TV set ON, from stand–by mode. Press it again to turn off,

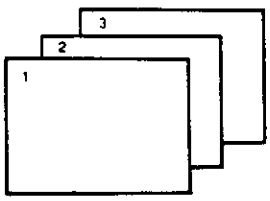
---

2.



Programme Number Selection

Press the programme number Up "V" or Down "Λ'" button to select the next higher or lower programme number.



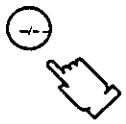
3.

Direct Programme Number Selection
(0 – 9)

e. g. To select programme number "1", press the "1" button.

General Operation

4. **Two Digit Programme Number Selection**



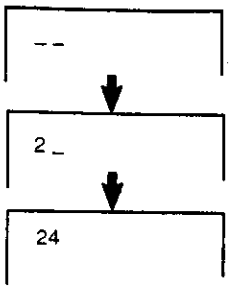
e.g. To select Programme Number " 24 ".

Push the -/-- button.

Push the 2 button.

Push the 4 button.

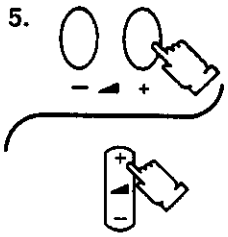
Setting range	0 ~ 99



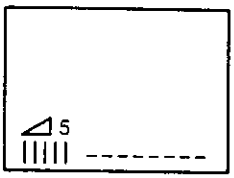
You can select a two Digit Programme Number.

---

5. **Volume Adjustment**



Push the Volume Up or Down button to increase or decrease the sound volume level.



Note :

The on – screen display will indicate both numerically and graphically the volume level. Numeric levels start at " 0 " for zero or no sound, and will increase up to 63 which is the maximum sound level.

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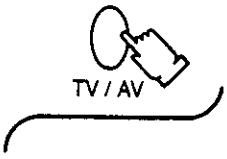
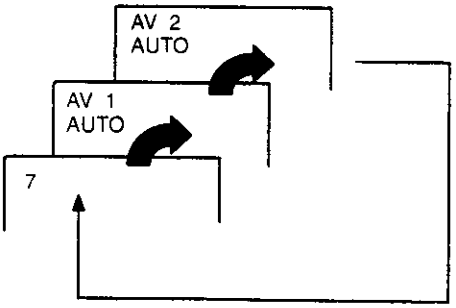
6. **TV / AV Selection**



Push the " TV/AV " button to select TV, AV1, AV2 input signal modes sequentially.

Note :

If a clear picture cannot be obtained even when a AV signal is received, refer to the " Colour System Selection " operation on page 23..



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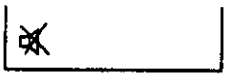
7. **Sound Mute Button**

Push this button to mute the Sound completely.
Push the button once again to restore the previous sound level, and cancel the mute.



The " Mute " symbol will appear. (Colour change to Red)

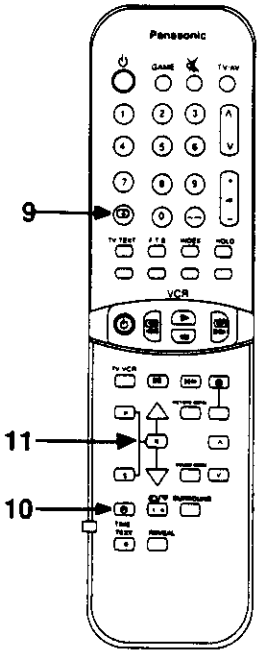
---

8. **Game Button**

This button provides a convenient switching feature.
Push this button to enter game mode (Game mode is actually AV 2 mode).
To cancel the game, Push this button again.

The " GAME " Indicator will appear.

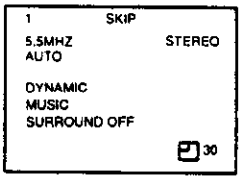
General Operation



9.

Recall Button

Press the RECALL button to display the current system status.
Press this button until display is cancelled.

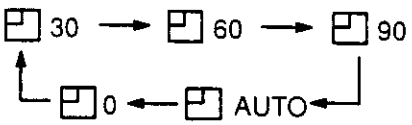


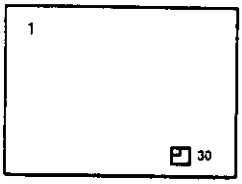
Note:
In the AV mode, a blue colour screen appears, if there is no AV signal, when the recall function is off.

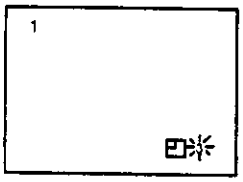
10.

Off Timer Button

The TV set may be preset to switch to stand–by after a fixed period.
By pressing "Off–Timer" button, you can select the preset time either 30, 60, or 90 minutes.







When the off–timer reaches its last 3 minutes, it starts blinking before going to stand–by condition.

Note:
Setting Off–timer to AUTO mode.
If the set is not switched off, when the TV station ends broadcasting, it will automatically go to the stand–by condition after 5 minutes. This AUTO mode will not operate when the TV receiver is in AV mode.

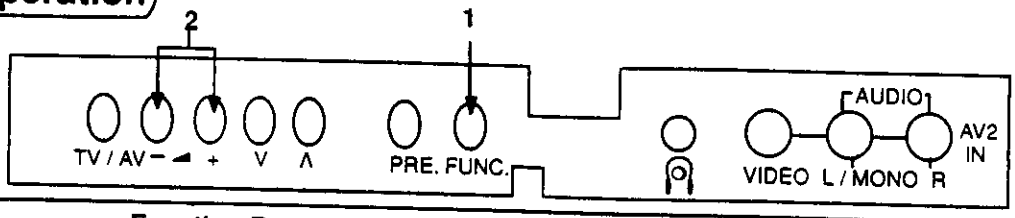
How to cancel the OFF–timer setting:
1. Set the preset time condition to "0" mode by pressing the Off – timer button.
2. Turning the TV set off.

11.

Normal (N) Button

By pushing the Normal " N " Button on the Remote Control while the Picture or Sound Control Function is displayed, the Selected function will be changed to the Normal Mode.
Normalization will not occur if the function is not displayed when the " N " button is pushed.
The Normal mode is the factory preset condition. Returning to this original condition is called " Normalization "

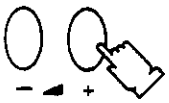
General Operation



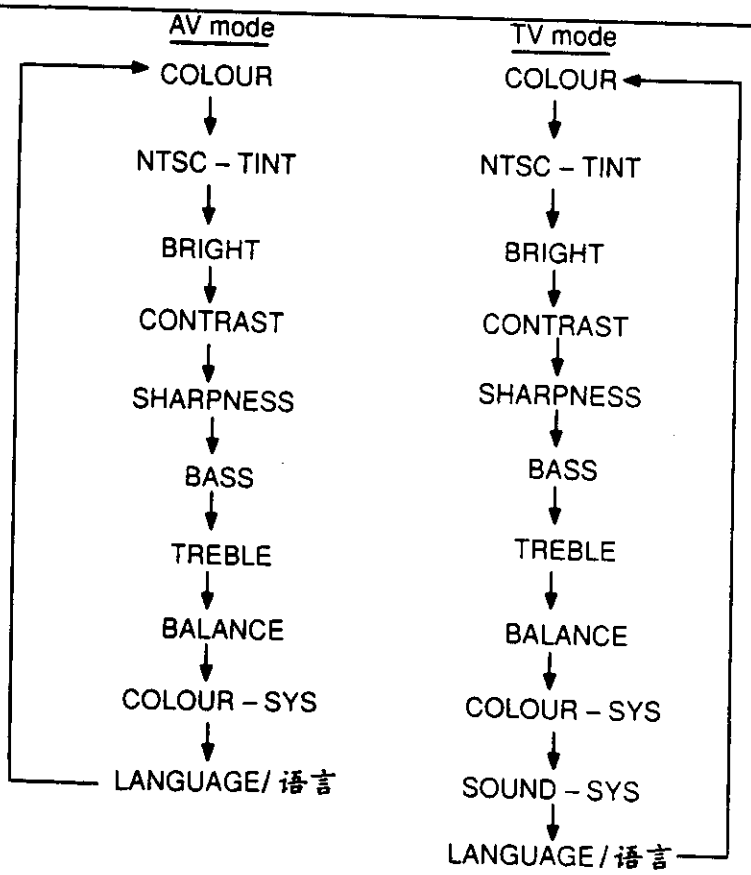
1.

Function Button

By pushing this button repeatedly, the Picture Control Function, Colour System, Sound System and Language Function will be displayed as follows.

2. 

Push the Volume Up " + " or Down " – " Buttons to adjust the level and Select the Menu.



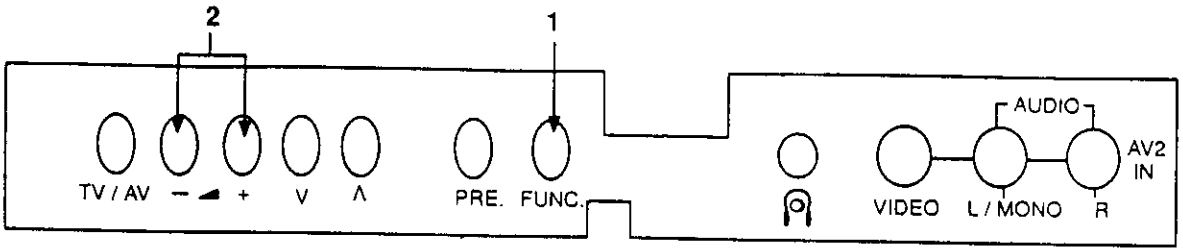
Note :

NTSC – TINT appear if NTSC 4.43 or NTSC 3.58 is selected.

General Operation

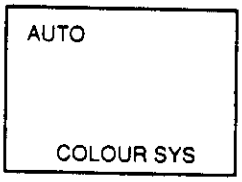
Colour System Selection

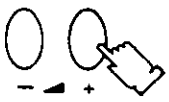
Use this function if a clear picture with weak colours is obtained when a Broadcast or AV signal is received.



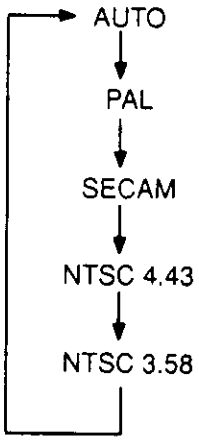
1.

By pressing the "FUNC." function button, you can select the Colour System Selection mode.

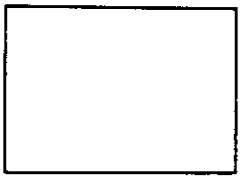


2. 

Press the Volume"+" button repeatedly until the optimum image is produced.



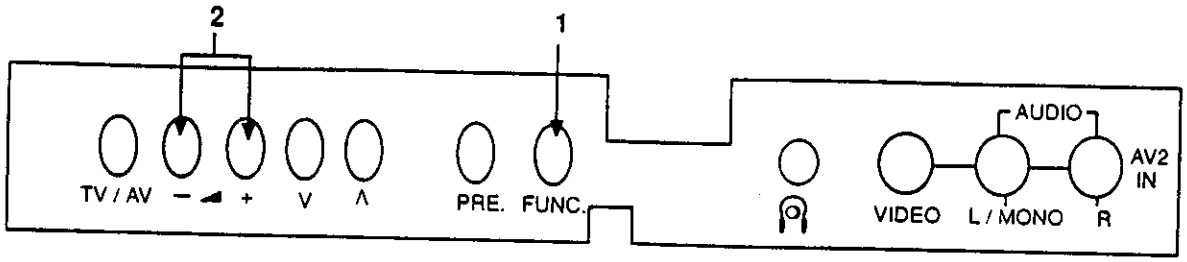
3. This returns the set to the normal viewing condition after 10 seconds.



General Operation

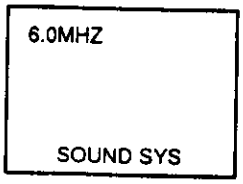
Sound System Selection

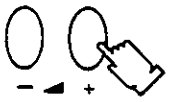
This function is used only in the TV mode, and is not applicable in AV mode.
When the sound is not clear or no sound is produced on a programme number.



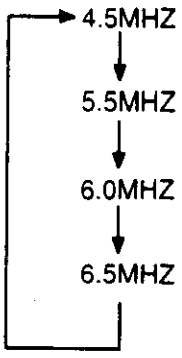
1.

By pressing the "FUNC." function button, you can select the Sound System Selection mode.

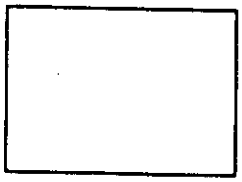


2. 

Press the Volume"+" button repeatedly until the optimum sound is produced.

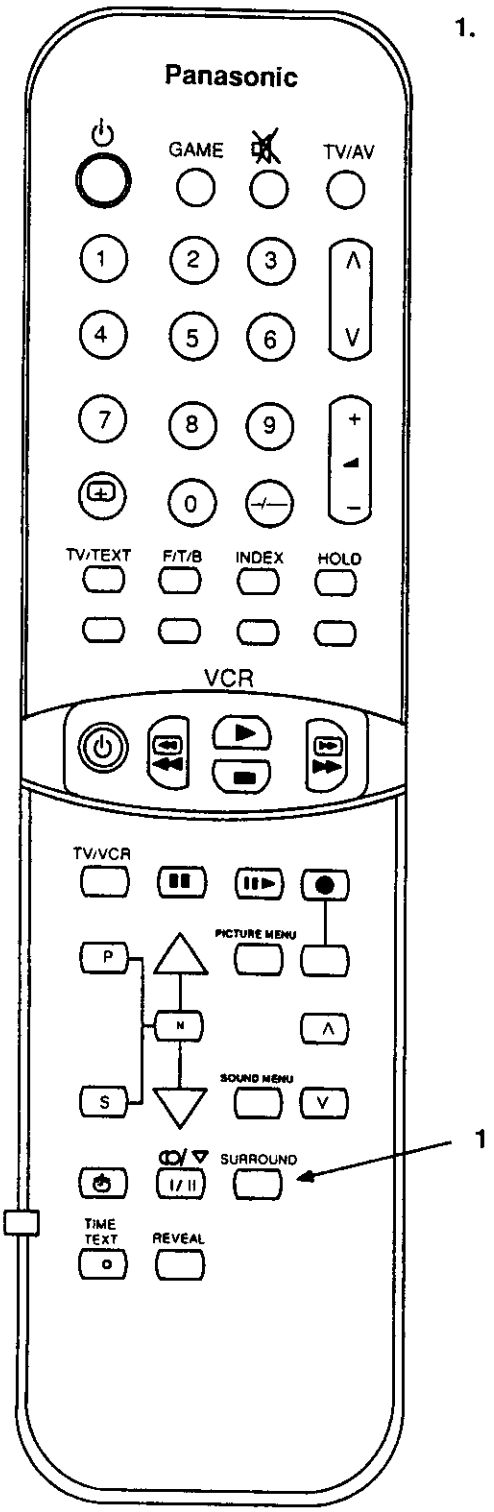


3. This returns the set to the normal viewing condition after 10 seconds.



Advanced Remote Control Operation

Surround Sound Operation



1. SURROUND

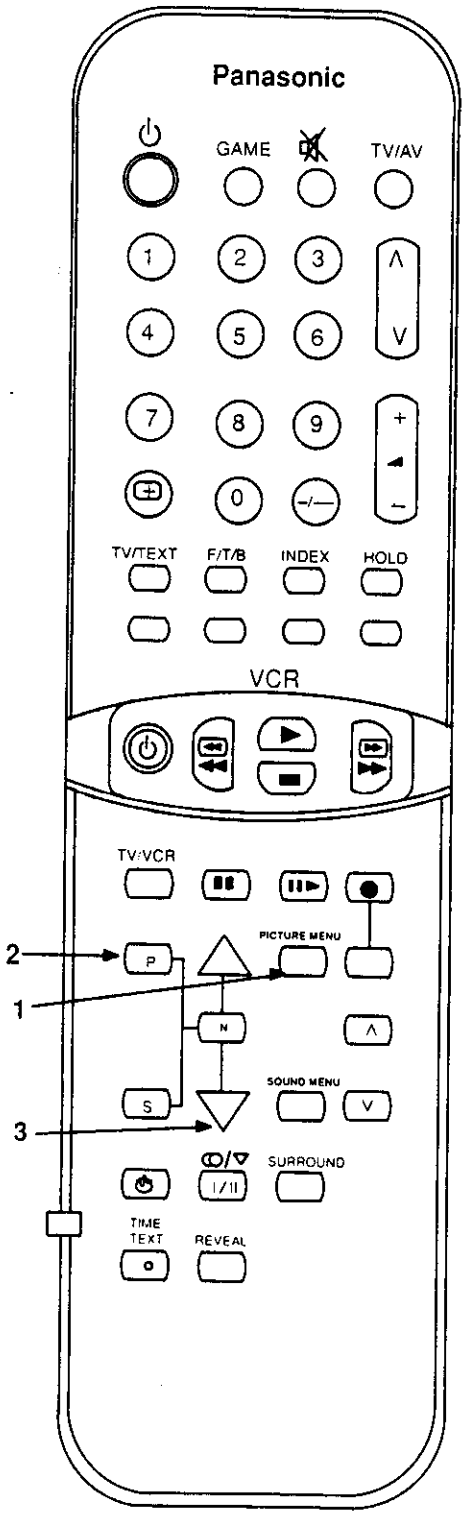
The benefit of surround sound are enormous.
With additional speakers you can be completely enveloped in sound; just as if you were at a concert hall or cinema.
The surround effect does operate without external surround speakers, but is enhanced when they are connected. Such near surround speakers should not be sited in direct proximity to the listeners.

On–screen display during surround mode.

	ON–Screen display
Select AV mode.	SURROUND ON ↕ SURROUND OFF

Advanced Remote Control Operation

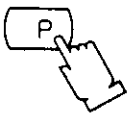
Picture Menu Operation



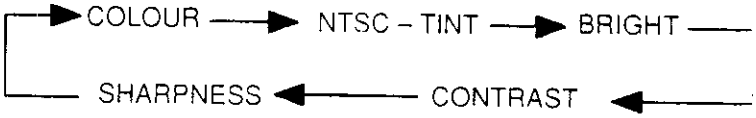
1. PICTURE MENU

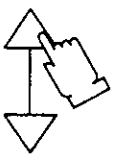
By pressing the PICTURE MENU button, you can sequentially select the Picture menus as shown below:

On–screen	Function
DYNAMIC	For watching in brighter environments. This menu selects a higher than normal level of brightness and contrast.
STANDARD	For watching in normal (evening) environments. This menu selects normal level of brightness and contrast.
SOFT	For watching in dark environments. This menu selects reduced level of brightness and contrast.

2. 

By pushing the Picture Control function button-repeatedly, the on–screen display will be changed:



3. 

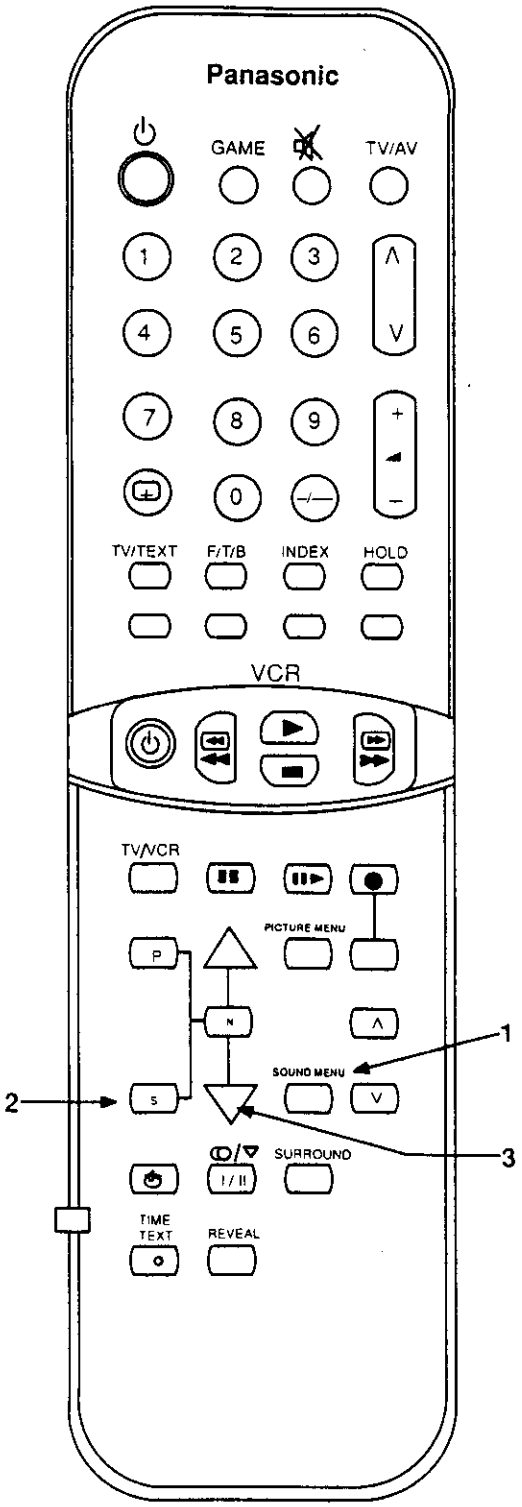
Push the level up or down buttons during display to adjust the level of the selected function.

Helpful Hint

1. You can change the level of each Function (COLOUR, NTSC–TINT, BRIGHT, CONTRAST, SHARPNESS) for each picture menu.
2. Picture menu mode will be memorized for each TV, AV1, AV2 and GAME mode.

Advanced Remote Control Operation

Sound Menu Operation



1. SOUND MENU

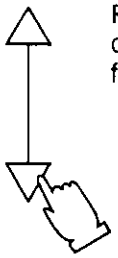
By pushing the SOUND MENU button, you can sequentially select the sound menus as shown below:

On–screen	Function
MUSIC	For music programme for example.
SPEECH	For News programme for example.

2.

By pushing the SOUND CONTROL function button repeatedly, the on–screen display will be changed:

BASS → TREBLE → BALANCE →

3. 

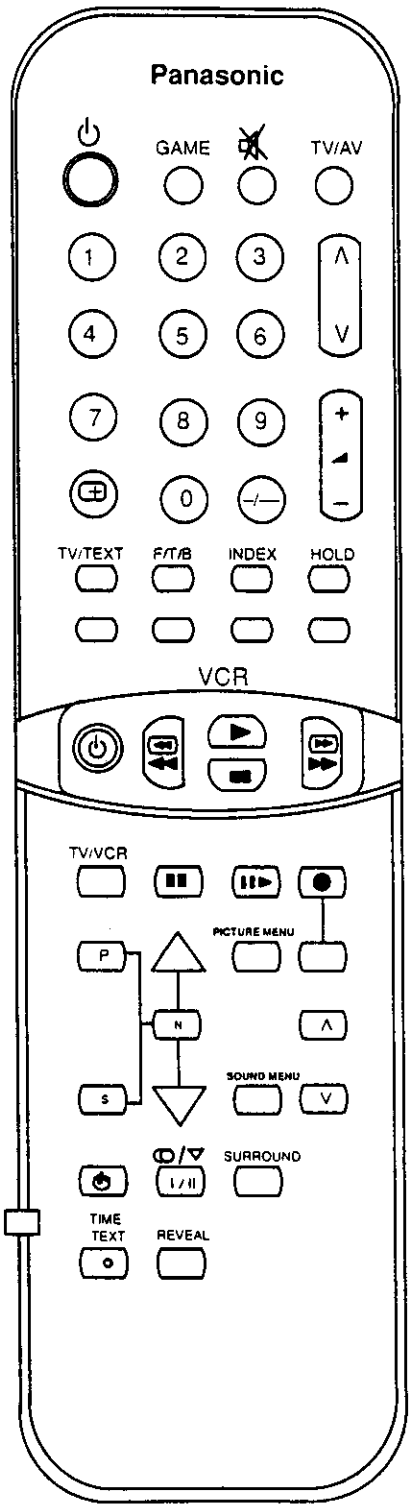
Push the level up or down buttons during display to adjust the level of the selected function.

Helpful Hint

1. You can change the level of each Function (BASS, TREBLE, BALANCE) for each sound menu.
2. Sound menu mode will be memorized for each TV, AV1, AV2 and GAME mode.

Advanced Remote Control Operation

Fastext



- Teletext features may vary depending on the Broadcasting companies and is only available if the channel selected is transmitting teletext.
- When in the teletext mode, the volume may still be altered to the desired listening level.

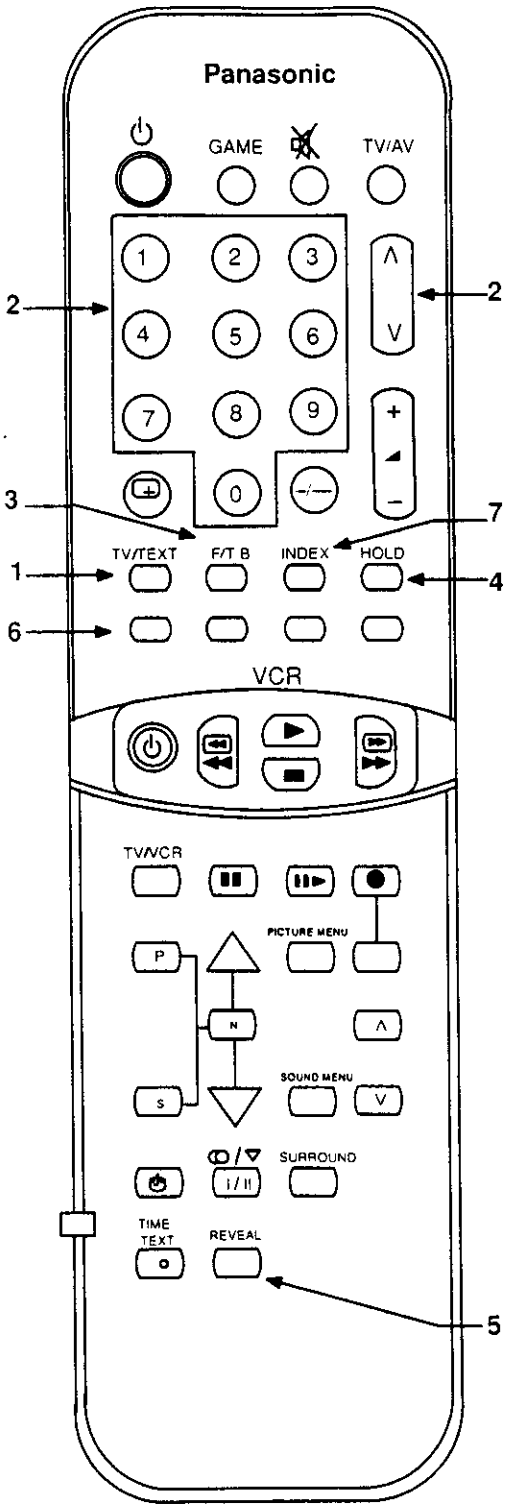
What is Fastext

In FASTEXT mode, four different coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, push the appropriately coloured button. This facility enables fast access to information of the subjects shown.

What are the advantages

- Page selection at the touch of a Coloured–coded button.
- Easy to use step by step selected of the topical subject.
- Reduction of waiting time.
- Page status line at the bottom of screen so you always know which button will take you to the desired information.

Teletext Operation

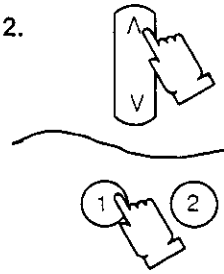


1. TV/TEXT

TV/Teletext mode

By pushing the TV/TEXT button, to change the TV/Teletext mode as follows:

2.



Page Selection

Pages can be selected in two ways:

a) Push the Up / Down Buttons to increase or decrease the page number by one.

b) By entering the page number, using 0 ~ 9 on the remote control.

3. F/T/B

Full/Top/Bottom

Push to expand the Top of the page.
Push again to expand the Bottom half.
Push again to return to normal (Full) size.

4. HOLD

Hold

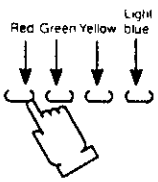
Push to hold the current page.
Push again to cancel the hold.

5. REVEAL

Reveal

Push to reveal hidden words.
e.g. quiz page answer.
Push again to hide.

6.



Colour-coded buttons

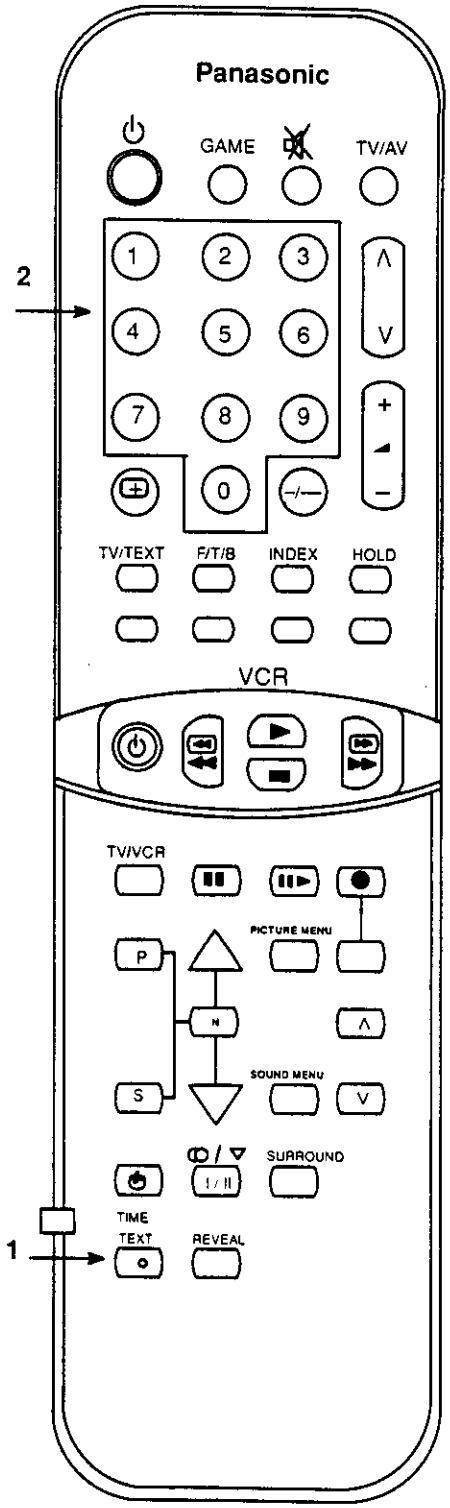
In Fastext mode these correspond to the differently coloured subjects.

7. INDEX

Index

Push INDEX to return to the main index page.

Sub Coded Page Access

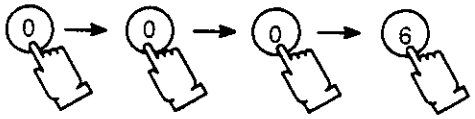


When teletext information exceeds more than one page, it may take sometime for the automatic changing of the sub pages to reach the sub page you require.
It is possible to enter your required sub page until the correct sub page is found.
Select the required page number using button 0–9.

1.

Press TIME TEXT "T***" will be displayed (top left of the screen).

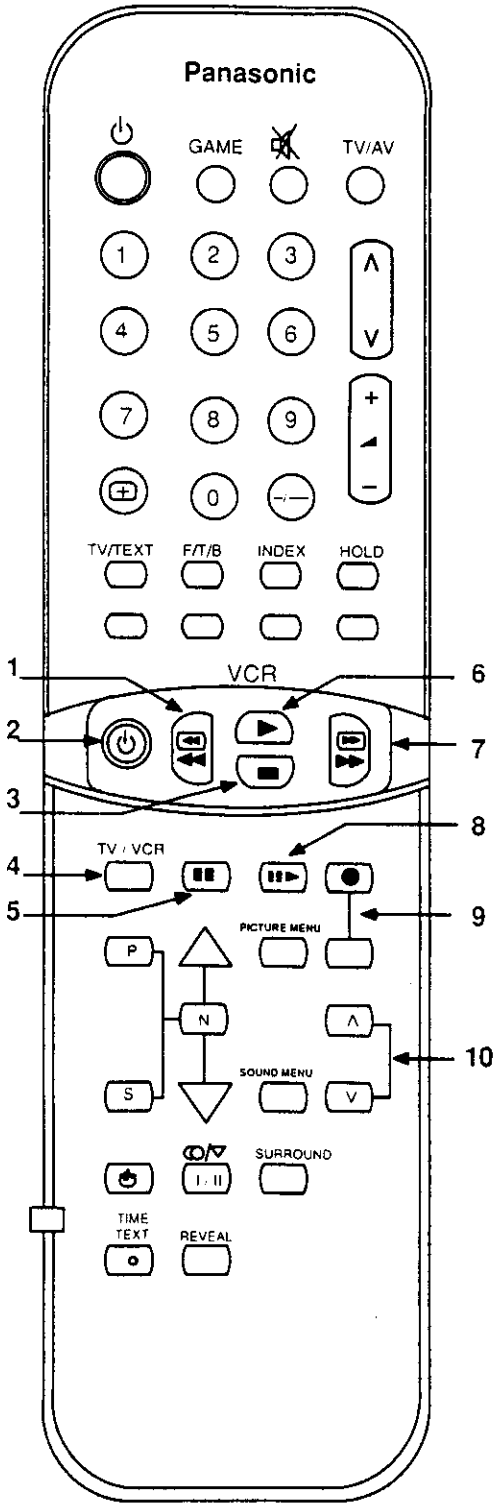
2.



Enter desired sub page number before the "T***" disappears.

To select page 6 enter 0, 0, 0 and 6.

Operation of VCR



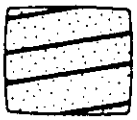
Your remote control is designed to be used with selected Panasonic/National VCRS.

Some VCR model have different functions, so please refer to the individual VCR instruction manual to ensure compatibility.

1. Rew (Rewind)/Review Button
2. VCR Power Button
3. Stop Button
4. TV/VCR Selection Button
5. Pause / Still Button
6. Play Button
7. FF(Fast forward)Cue Button
8. Still advance Button
9. Rec(Record) Button
10. Channel Up and Down Button for VCR

Troubleshooting

Before calling for service, determine the symptoms and make a few simple checks as shown below.

Symptoms		Checks
Picture	**Sound**	
Snowy Picture	Noisy Sound	Aerial Location, direction Connection
Multiple Image	Normal Sound	Aerial Location, direction Connection
Interference	Noisy Sound	Electrical Appliances Cars / Motorcycles Fluorescent Lamps
Normal Picture	No Sound	Volume (Check whether the mute function has been activated on the Remote Control.)
No Picture	No Sound	Not plugged into AC outlet Not switched on Contrast and Brightness / Volume Setting (Check by pushing the Power Switch or Stand-by Button on the Remote Control.)
No Colour	Normal Sound	Colour Control
 Scrambled	Normal or Weak Sound	Re-tune Channels
Colour Patches	Normal Sound	Magnetic interference from unshielded equipment. Receiver moved while "ON".
No Colour Rolling Picture H-Line	Noisy Sound	System Button

Specifications

Power Source : AC SINGLE 230 V, 50 Hz

Power Consumption : 140 W

Receiving System : 12 SYSTEM

	SYSTEMS	FUNCTION
1. 2. 3. 4.	PAL B,G PAL I PAL D NTSC M (NTSC 3.58 / 4.5MHZ)	Reception of broadcast transmissions and playback from video cassette tape recorders.
5. 6. 7. 8. 9. 10.	NTSC 4.43 / 5.5MHz NTSC 4.43 / 6.0MHz NTSC 4.43 / 6.5MHz NTSC 3.58 / 5.5MHZ NTSC 3.58 / 6.0MHz NTSC 3.58 / 6.5MHz	Playback from special VCR only.
11. 12. 13.	PAL 60Hz / 5.5MHz PAL 60Hz / 6.0MHz PAL 60Hz / 6.5MHz	Playback from special Disc player and VCR only.

Receiving Channels :

VHF BAND		UHF BAND		CATV
2 – 12	PAL B	21 – 69	PAL B, G, I	S1–S20 (OSCAR)
0 – 12	PAL B (AUS)	28 – 69	PAL B (AUS)	S21–S41 (HYPER)
1 – 9	PAL B (N.Z)	13 – 57	PAL D	1–125 (USA)
1 – 12	PAL D	13 – 62	NTSC M (JAPAN)	C13–C49 (JAPAN)
1 – 12	NTSC M (JAPAN)	14 – 69	NTSC M (U.S.A.)	5A,9A (AUS)
2 – 13	NTSC M (U.S.A.)			Z1–Z37 (CHINA)

Specifications

Tuning System : Voltage synthesizer
Auto search tuning 100 position

Picture Tube : **59 cm, measured diagonally, 110° deflection**

Audio Output : **2 X 5W**

Aerial Impedance : 75 Ω Unbalanced coaxial

Video/audio terminal :

AV1	S-Video in	Y: 1.0 Vp-p, 75Ω	AV2	Video in	1 Vp-p, 75Ω
		C: 0.3 Vp-p, 75Ω		Audio in	Approx: 400mV
	Video in	1 Vp-p, 75Ω	Monitor out	Video out	1 Vp-p, 75Ω
	Audio in	Approx: 400mV		Audio out	Approx: 400mV

Remote Control Transmitter : EUR 51973

Battery : R6 (AA) X 2

Dimension (W x D x H) : **735.5 x 447.6 x 532.5 mm**

Weight (Net): **28Kg**

Note :

Design and Specifications are subject to change without notice.